



# Introduction to Nucleonica: Core Applications and Tools

Training course with “Hands on” exercises, *To be held at the KIT / FTU*

## 18 April – Core Nucleonica Applications

### Index

9:00	<b>Training Course / Nucleonica Overview</b> J. Magill (Nucleonica)		<b>1</b>
9:20	<b>Mass Activity Converter / Nuclide Mixtures</b> R. Dreher / J. Magill	Exercises	<b>2</b>
10:30 – Coffee			
10:50	<b>Participants introduction</b>		
11:15		Exercises	<b>3</b>
	<b>Nuclear Data:</b> from the Karlsruhe Nuclide Chart to Nucleonica Z. Soti (ITU)		
12:30 – Break			
13:30	<b>Decay Engine</b> J. Magill	Exercises	<b>4</b>
15:00 – Coffee			
15:30	<b>Virtual Cloud Chamber</b> V. Romanello (IKET)	Exercises	<b>5</b>
16:15	<b>Gamma Dosimetry &amp; Shielding (D&amp;S)</b> J. Magill	Exercises	<b>6</b>
17:00 – End of session			

## 19 April – Advanced Nucleonica Applications

8:30	<b>e-Ship: Radiological Transport Assistant</b> Y. Donjoux (CERN)	Exercises	<b>7</b>
10:00 – Coffee			
10:15	<b>webKORIGEN: nuclide depletion calculations</b> J. Zsigrai (ITU)	Exercises	<b>8</b>
11:00	<b>Gamma Spectrum Generator and Gamma Libraries</b> J. Zsigrai	Exercises	<b>9</b>
12:30 – Break			
13:30	<b>Working with Reference Materials in Nucleonica</b> Z. Soti	Exercises	<b>10</b>
14:45 – Coffee			
15:00	<b>Wiki, Forum, Blog, Glossary: Knowledge Objects</b> Z. Soti	Exercises	<b>11</b>
15:30	Feedback/Questionnaire, Certificate		
16:00 – End of Training Course			
	Supplementary material (additional exercises and case studies)		<b>12</b>